

State of California
Dept. of Forestry and Fire Protection (CAL FIRE)
State Fire Marshal's Office
GRANT AGREEMENT

APPLICANT: County of Tuolumne
PROJECT TITLE: Hazardous Fuel Reduction Program
GRANT AGREEMENT: 5GG17216

PROJECT PERFORMANCE PERIOD IS from Upon Approval through March 15, 2022.

Under the terms and conditions of this Grant Agreement, the applicant agrees to complete the project as described in the project description, and the State of California, acting through the Dept. of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

PROJECT DESCRIPTION: Project will involve large-scale fuel reduction and vegetation clearance on roads in Tuolumne County, and provide defensible space assistance to low-income homeowners. Project will provide vouchers to help moderate to low-income residents afford Public Resources Code (PRC) 4291-qualified defensible space clearing on private property in high-risk wild land zones.

Total State Grant not to exceed \$ 1,654,780.00 (or project costs, whichever is less)

**The Special and General Provisions attached are made a part of and incorporated into this Grant Agreement.*

County of Tuolumne

STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
AND FIRE PROTECTION

Applicant

By

Tracie Riggs
Signature of Authorized Representative

By

[Signature]

Title

Asst. CAO

Title: Dennis Mathisen, State Fire Marshal

Date

11/20/18

Date

12/14/18

CERTIFICATION OF FUNDING

AMOUNT OF ESTIMATE FUNDING \$1,654,780.00		GRANT AGREEMENT NUMBER 5GG17216		FUND Greenhouse Gas Reduction Fund		
ADJ. INCREASING ENCUMBRANCE \$ 0.00		APPROPRIATION Greenhouse Gas Reduction Fund				
ADJ. DECREASING ENCUMBRANCE \$ 0.00		FUNCTION Greenhouse Gas Reduction Fund				
UNENCUMBERED BALANCE \$1,654,780.00		LINE ITEM ALLOTMENT 3540-001-3228		CHAPTER 14, 249	STATUTE 2017	FISCAL YEAR 17/18
T.B.A. NO.	B.R. NO. FY 17/18	INDEX 9212	OBJ. EXPEN D 418	PCA 91015	PROJECT/WORK PHASE VENDOR# 831200-00	

I hereby certify upon my personal knowledge that budgeted funds are available for this encumbrance.

SIGNATURE OF CAL FIRE ACCOUNTING OFFICER

DATE

12/27/18

TERMS AND CONDITIONS OF GRANT AGREEMENT

I. RECITALS

1. This Agreement, is entered into between the State of California, by and through the California Department of Forestry and Fire Protection (CAL FIRE), hereinafter referred to as "STATE" and County of Tuolumne, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed One Million Six Hundred Fifty Four Thousand Seven Hundred Eighty Dollars (\$1,654,780.00).
3. In addition to the terms and conditions of this Agreement, the STATE and GRANTEE agree that the terms and conditions contained in the documents set forth below are hereby incorporated and made part of this agreement.
 - a. Department of Forestry and Fire Protection (CAL FIRE) Fire Prevention Grant Program Procedural Guide 2017-2018
 - b. The submitted Application, Scope of Work, Budget Detail, GHG Emissions Reduction Methodology and Exhibits
 - c. Addendum for Greenhouse Gas Reduction Fund (GGRF) Grant Projects

II. SPECIAL PROVISIONS

1. Recipients of GRANT FUNDS pursuant to Chapter 249, Statutes of 2017 shall abide by the provisions in this Agreement. This includes the requirement that work shall not commence prior to the execution of this Agreement by both parties. Any work started prior to the execution of this Agreement will not be eligible for funding under the terms of this Agreement.
2. As precedent to the State's obligation to provide funding, GRANTEE shall provide to the STATE for review and approval a detailed budget, specifications, and project description. Approval by the STATE of such plans and specifications, or any other approvals provided for in this Agreement, shall be for scope and quality of work, and shall not relieve GRANTEE of the obligation to carry out any other obligations required by this Agreement, in accordance with applicable law or any other standards ordinarily applied to such work or activity.
3. All informational products (e.g., data, studies, findings, management plans, manuals, photos, etc.) relating to California's natural environment produced with the use of GRANT FUNDS shall be available for public use.

III. GENERAL PROVISIONS

1. Definitions

- a. The term "Agreement" means grant agreement number **5GG17216**.
- b. The term "GRANT FUNDS" means the money provided by the STATE to the GRANTEE in this Agreement.
- c. The term "GRANTEE" means an applicant who has a signed Agreement for the award for GRANT FUNDS.
- d. The term "Other Sources of Funds" means all matching fund sources that are required or used to complete the Project beyond the GRANT FUNDS provided by this Agreement.
- e. The term "STATE" means the State of California, Department of Forestry and Fire Protection (CAL FIRE).
- f. The term "Project" means the development or other activity described in the "Project Scope of Work".
- g. The term "Project Budget Detail" as used herein defines the approved budget plan.
- h. The term "Project Scope of Work" as used herein means the individual scope of work describing in detail the approved tasks.

2. Project Representatives

The project representatives during the term of the agreement will be:

STATE: CAL FIRE	GRANTEE: County of Tuolumne
Section/Unit: TCU - Tuolumne-Calaveras Unit	Section/Unit:
Attention: Adam Frese	Attention: Ryan Campbell
Mailing Address: 785 Mountain Ranch Road San Andreas, CA 95249	Mailing Address: 2 South Green Street Sonora, CA 95370
Phone Number: (209) 754-2706	Phone Number: 209-533-5512
Email Address: Adam.Frese@fire.ca.gov	Email Address: rcampbell@co.tuolumne.ca.us

Changes to the project representatives during the term of the agreement shall be made in writing. Notice shall be sent to the above representative for all notice provisions of this Agreement.

3. Project Execution

- a. Subject to the availability of grant monies, the STATE hereby grants to the GRANTEE a sum of money (GRANT FUNDS) not to exceed the amount stated on Section I. RECITALS, Paragraph 2 in consideration of and on condition that the sum be expended in carrying out the purposes as set forth in the description of the Project in this Agreement and its attachments and under the terms and conditions set forth in this Agreement.
- b. GRANTEE shall assume any obligation to furnish any additional funds that may be necessary to complete the Project. Any amendment to the Project as set forth in the Application on file with the STATE must be submitted to the STATE for approval in writing. No amendment is allowed until written approval is given by the STATE.
- c. GRANTEE shall complete the Project in accordance with the time of Project performance set forth in this Agreement, unless an amendment has been approved and signed by the STATE under the terms and conditions of this Agreement. Amendments must be requested in advance and will be considered in the event of circumstances beyond the control of the GRANTEE, but in no event less than 90 days from the Agreement expiration date and in no event less than 60 days before the effective date of the amendment. Approval of amendment is at the STATE's discretion.
- d. GRANTEE certifies that the Project Scope of Work complies with all local, State, and federal laws and regulations.
- e. GRANTEE shall comply with the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000, et. seq. Title 14, California Code of Regulations, Section 15000 et. seq.) and all other local, State, and federal environmental laws. A copy of the certified CEQA document must be provided to STATE before any GRANT FUNDS are made available for any Project activity that could directly impact the environment (e.g. cutting, piling or burning bush, masticating, dozer work, etc.). CEQA compliance shall be completed within 18 months from start date of the Agreement. The start date is considered the date the last party signs the Agreement. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and

marking property or project boundaries, contacting and signing up landowners, etc.).

- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE.

4. Project Costs and Payment Documentation

- a. Payment by the STATE shall be made after receipt of an acceptable invoice and approval by a duly authorized representative of the STATE. GRANTEE shall submit an invoice for payment to the CAL FIRE Project Representative of the STATE. A final invoice shall be submitted no later than 30 days after completion, expiration, or termination of this Agreement.
- b. For services satisfactorily rendered, and upon receipt and approval of invoices for payment, the STATE agrees to compensate GRANTEE for actual expenditures incurred in accordance with the rates specified herein, which is attached hereto, as Attachment 3 – Final Project Budget, and made a part of this Agreement.
- c. Equipment purchased using GRANT FUNDS, wholly or in part, must be used by the GRANTEE for the project which it was acquired. STATE retains a vested interest in the equipment for the useful life of the equipment, even after completion of the grant. GRANTEE shall provide written disposition of the equipment upon completion of the grant and upon any changes to the disposition of the equipment. Such disposition must be approved in advance by STATE. Equipment purchased using GRANT FUNDS cannot be used as collateral, financed, or sold without prior written approval from the STATE.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and no less than quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), appropriate supporting documentation, project progress reports, and the signature of an authorized representative of GRANTEE as detailed in the Invoice

Guidelines of the Procedural Guide for the CAL FIRE Fire Prevention Grant Program.

- e. GRANT FUNDS in this Agreement have a limited period in which they must be expended. All GRANTEE expenditures must occur prior to the end of the Project performance period of this Agreement.
- f. Except as otherwise provided herein, GRANTEE shall expend GRANT FUNDS in the manner described in the Project Budget Detail approved by the STATE. The dollar amount of an item in the Project Budget Detail may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from another item or items, without approval by the STATE; however, GRANTEE shall notify the STATE in writing in project progress reports when any such reallocation is made, and shall identify both the item(s) being increased and those being decreased. Any increase or decrease of an item of more than ten percent (10%) of the budget item must be approved in writing by the STATE before any such increase or decrease is made. A formal approved amendment is required to increase the total amount of GRANT FUNDS.
- g. GRANTEE shall promptly submit any and all records at the time and in the form as the STATE may request.
- h. GRANTEE shall submit each invoice for payment to:

California Department of Forestry & Fire Protection
Attention: Adam Frese
785 Mountain Ranch Road
San Andreas, CA 95249
- i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.
 - GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
 - GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.

- Multiple advance payments may be made to a GRANTEE over the life of a project.
- No single advance payment shall exceed 25% of the total grant amount and must be spent on eligible costs within six months of the advance payment request. GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. The balance of unspent advance payment funds not liquidated within the six-month spending period will be billed for the return of advanced funds to the STATE.
- All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the STATE's satisfaction before another advance payment will be made.
- Any advance payment received by a GRANTEE and not used for project eligible costs shall be returned to CAL FIRE. The amount will be returned to the grant balance.
- Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE.

5. Budget Contingency Clause

- a. If STATE funding for any fiscal year is reduced or deleted for purposes of the California Climate Investment Fire Prevention Program, the STATE shall have the option to either cancel this Agreement with no liability occurring to the STATE, or if possible and desirable, offer an Agreement amendment to GRANTEE to reflect the reduced amount available for the Project.

6. Project Administration

- a. GRANTEE shall provide the STATE a written report showing total final Project expenditures and matching funds upon Project completion or grant expiration, whichever occurs first. GRANTEE must report to the STATE all sources of other funds for the Project. If this provision is deemed to be violated, the STATE will request an audit of GRANTEE and can delay the disbursement of funds until the matter is resolved.
- b. GRANTEE shall promptly submit written Project reports as the STATE may request throughout the term of this Agreement.
- c. GRANTEE shall submit a final accomplishment report, final invoice with associated supporting documentation, and copies of materials developed

using GRANT FUNDS, including but not limited to plans, educational materials, etc. within 30 days of Project completion.

7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit occurs, all such records shall be retained for one (1) year from the date is audit is completed or the three (3) years, whichever date is later.
- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.
- c. GRANTEE shall keep such records as the STATE shall prescribe, including, but not limited to, records which fully disclose (a) the disposition of the proceeds of state funding assistance, (b) the total cost of the Project in connection with such assistance that is given or used, (c) the amount and nature of that portion of the Project cost supplied by other sources, and (d) any other such records as will facilitate an effective audit. All records shall be made available to the STATE, other State of California agency, or other entity as determined by the State of California for auditing purposes at reasonable times.
- d. GRANTEE shall use any generally accepted accounting system.

8. Project Termination

- a. This Agreement may be terminated by the STATE or GRANTEE upon 30-days written notice to the other party.
- b. If either party terminates the Agreement prior to the completion of the Project, GRANTEE shall take all reasonable measures to prevent further costs to the STATE under the Agreement and the STATE shall be responsible for any reasonable and non-cancelable obligations incurred by GRANTEE in the performance of this Agreement prior to the date of the notice to terminate, but only up to the undisbursed balance of funding authorized in this Agreement.
- c. Failure by GRANTEE to comply with the terms of this Agreement may be cause for suspension of all obligations of the STATE hereunder at the discretion of the STATE.

- d. Failure of GRANTEE to comply with the terms of this Agreement shall not be cause for the suspension of all obligations of the STATE hereunder if in the judgment of the STATE such failure was due to no fault of GRANTEE. At the discretion of the STATE, any amount required to settle at minimum cost any irrevocable obligations properly incurred shall be eligible for reimbursement under this Agreement.
- e. Final payment to GRANTEE may not be made until the STATE determines the Project conforms substantially to this Agreement.

9. Hold Harmless

- a. GRANTEE shall defend, indemnify and hold the STATE, its officers, employees, and agents harmless from and against any and all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of GRANTEE, its officers, agents, or employees. The duty of GRANTEE to indemnify and hold harmless includes the duty to defend as set forth in Civil Code Section 2778. This Agreement supersedes GRANTEE's right as a public entity to indemnify (see Government Code Section 895.2) and contribution (see Government Code Section 895.6) as set forth in Government Code Section 895.4.
- b. GRANTEE waives any and all rights to any type of express or implied indemnity or right of contribution from the STATE, its officers, agents, or employees for any liability resulting from, growing out of, or in any way connected with or incident to this Agreement.
- c. Nothing in this Agreement is intended to create in the public or in any member of it rights as a third-party beneficiary under this Agreement.

10. Tort Claims

FEDERAL:

The United States shall be liable, to the extent allowed by the Federal Tort Claims Act 28 United States Code 2671-2680, for claims of personal injuries or property damage resulting from the negligent or wrongful act or omission of any employee of the United States while acting within the scope of his or her employment, arising out of this Agreement.

STATE:

The State of California shall be liable, to the extent allowed by law and subject to California Government Code, Title 1, Division 3.6, providing for the filing of tort claims against the State of California, for personal injuries or property damage resulting from the negligent or wrongful act or omission of State of California employees while acting within the scope of his or her employment, arising out of this Agreement.

11. Nondiscrimination

The State of California prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, sex, marital status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. GRANTEE shall not discriminate against any person on any of these bases.

12. Incorporation

The grant guidelines and the Project Scope of Work, Project Budget Detail and any subsequent amendments or modifications to the Project Scope of Work and Project Budget Detail approved in writing by the STATE are hereby incorporated by reference into this Agreement as though set forth in full in this Agreement.

13. Severability

If any provision of this Agreement or the Project Scope of Work thereof is held invalid, that invalidity shall not affect other provisions or applications of this Agreement which can be given effect without the invalid provision or application, and to this end the provisions of this Agreement are severable.

14. Waiver

No term or provision hereof will be considered waived by either party, and no breach excused by either party, unless such waiver or consent is in writing and signed on behalf of the party against whom the waiver is asserted. No consent by either party to, or waiver of, a breach by either party, whether expressed or implied, will constitute consent to, waiver of, or excuse of any other, different, or subsequent breach by either party.

15. Assignment

This Agreement is not assignable by GRANTEE either in whole or in part.

ADDENDUM – CALIFORNIA CLIMATE INVESTMENTS (CCI) GRANT PROJECTS

I. SPECIAL PROVISIONS

1. Grant funds shall be used on projects with the primary goal of reducing greenhouse gases (GHGs) and furthering the purposes of California's Global Warming Solutions Act of 2006, Division 25.5 (commencing with Section 38500) of the Health and Safety Code, and related statutes.
2. Grant funds shall be used on projects limited to specific activities as described in CCI Grants Procedural Guides.
3. Greenhouse gas emissions must be calculated using the CARB Greenhouse Gas Quantification Methodology applicable to the grant program (<https://ww2.arb.ca.gov/resources/documents/cqi-quantification-benefits-and-reporting-materials>).
4. Grantee shall report project and benefits information when requested by the State. This may include, but is not limited to, funding expended, acres treated, GHG emissions, trees planted, disadvantaged community benefits, energy/water savings, job creation, and other co-benefits.
5. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, CCI dollars allocated, and leveraged funds throughout the duration of the project.
6. Failure of Grantee to meet the agreed upon terms of achieving required GHG reduction may result in project termination and recovery of funds.

II. MONITORING AND REPORTING REQUIREMENTS

All funds expended through CCI are subject to emissions reporting and requirements. Grantee is expected to provide the appropriate materials for completing program quantification methodology. Grantee shall use the current reporting template provided by the STATE. The reporting shall be submitted to the STATE no less frequently than quarterly. In addition, STATE may request additional information in order to meet current CARB reporting requirements. The requirements are available on the CARB CCI Quantification, Benefits and Reporting Materials webpage: <https://ww2.arb.ca.gov/resources/documents/cqi-quantification-benefits-and-reporting-materials>.

III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

1. All projects funded both fully and partially by the GGRF must clearly display, identify and label themselves as being part of the "California Climate Investments" program. The acknowledgement must contain the California Climate Investments and CAL FIRE logos as well as the following statement:

"Funding for this project provided by the California Department of Forestry and Fire Protection as part of the California Climate Investments Program."

A draft of the acknowledgement must be approved by the STATE prior to publication. For stationary projects, acknowledgement may include, but is not limited to, a sign on the project site. For other project types, such as vehicles, equipment, and consumer-based incentives, acknowledgement is encouraged by using a decal, sticker or other signage.

Guidance on California Climate Investments logo usage, signage guidelines, and high-resolution files are contained in a style guide available at:
www.caclimateinvestments.ca.gov/logo-graphics-request.

2. In addition, all projects funded both fully and partially by GGRF must contain the following statement in public announcements or press releases on said projects:

"The Hazardous Fuel Reduction Program is part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment— particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At least 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: www.caclimateinvestments.ca.gov."



California Department of Forestry and Fire Protection (CAL FIRE)
California Climate Investment
Fire Prevention Program Grant Application
Fiscal Year 2017-18 Funding Opportunity



Please fill out this form completely. Be sure to save a copy of this form for your records. Submit 1 printed copy with original signature(s) and 1 electronic copy and all supporting materials to: **California Department of Forestry and Fire Protection, Attention: Grants Management Unit - Fire Prevention Program, P.O. Box 944246, Sacramento, CA 94244-2460.** E-mail an electronic copy to CALFIRE.Grants@fire.ca.gov. Be sure to include all attachments.

1. Project Tracking #: 17-FP-TUC-0154

CalMapper ID: 06109

Project Name/Title: Hazardous Fuel Reduction Program

County: Tuolumne

CAL FIRE Unit/Contract County: TCU - Tuolumne-Calaveras Unit

Please use this 3-letter Unit Identifier
for file naming
(see questions 6 & 17)

2. Organization Type: County

If Other, please specify:

If Non-Profit, are you a registered 501(c)(3)?

Fire Protection Provider: Multi-jurisdictional

3. Sponsoring Organization: County of Tuolumne

Project Manager Title: Administrative Analyst

First Name: Ryan

Last Name: Campbell

Address 1: 2 South Green Street

Address 2:

City: Sonora

State: California

Zip Code: 95370

Phone Number: 209-533-5512

Secondary Phone Number: 209-533-5511

Email Address: rcampbell@co.tuolumne.ca.us

Fax Number: 209-533-5510

4. For which primary activity is funding being requested?

Fuel Reduction

5. Grant Period: Please provide the estimated start date and completion date for your project. Projects **MUST** be completed by March 15, 2022. Note that final billing is due 30 days after project completion. Please use MM/DD/YYYY format.

Project Start Date: 09/28/2018

Project Completion Date: 03/15/2022

Tracking #: 17-FP-TUC-0154

Project Name: Hazardous Fuel Reduction Program

6. **Project Location:** Identify a central point that identifies the general area of project activities. Enter the information in NAD 83 - enter degrees, minutes and seconds in whole numbers. Enter Longitude as a positive number.

A **REQUIRED** component of the application is the usage of the Fire Prevention Grant Project/Treatment Area Mapping Program. The mapping program and directions can be found here: http://calfire.ca.gov/fire_prevention/firepreventiongrants

Latitude N ° ' " Longitude W ° ' "

Latitude must be between 32 and 42 degrees. Longitude must be between 114 and 125 degrees. Latitude and Longitude minutes and seconds must be between 0 and 60. For planning or public education projects, use a central point in the WUI for the general area covered by the project.

Please attach a Project map in PDF format with geographic information describing your project location. The map should show the surrounding area in relation to the project. **File naming convention:** Features should be named with the Tracking # and Feature Type. Example: 17-FP-UUU-XXXX-MAP.pdf

"Project Area" is the general area where project activities will reduce wildfire risk and/or damage. All projects must have a project area. For planning or public education grants or other projects that don't have well-defined boundaries, provide a map that generally covers the area. For example, for a county-wide public education project, the map should identify the populated portion of the WUI in the county.

7. Project Area Statistics:

For all projects, give an estimate of the project area size and include an estimate of the number of habitable structures impacted by the project. Provide the size of the treatment area for projects that include fuels treatment.

	LRA	FRA	SRA
Habitable Dwellings (# of dwellings):	<input type="text" value="4,553"/>	<input type="text" value="747"/>	<input type="text" value="21,767"/>
Project Area (acres):	<input type="text" value="5,175"/>	<input type="text" value="1,092,751"/>	<input type="text" value="359,606"/>
Fuels Treatment Area (acres):	<input type="text" value="149"/>	<input type="text" value="744"/>	<input type="text" value="4,152"/>

8. SRA Fire Hazard Severity Zones (FHSZ):

What SRA Fire Hazard Severity Zones (FHSZ) are in the project area? SRA Fire Hazard Severity Zone ratings are available at: http://calfire.ca.gov/fire_prevention/fire_prevention_wildland_zones.php

Please provide an approximate number of acres or percentage of the project area in each zone.

FHSZ Rating	Acres	Percent	
Very High	<input type="text" value="231,759"/>	<input type="text" value="15.9"/>	%
High	<input type="text" value="77,684"/>	<input type="text" value="5.3"/>	%
Moderate	<input type="text" value="50,163"/>	<input type="text" value="3.4"/>	%
Non SRA (Federal or Local Area)	<input type="text" value="1,097,926"/>	<input type="text" value="75.3"/>	%
TOTAL	1,457,5	99.9	%

Acres Note: Total acres must be the same as Item 7 Project Area (Acres).
Percent Note: Total % must be 100%

Tracking #: 17-FP-TUC-0154

Project Name: Hazardous Fuel Reduction Program

9. Limiting Factors:

Are there any existing forest or land management plans; Conservation Easements; Covenant, Conditions & Restrictions (CC&R's); matters related to zoning; use restrictions, or other factors that can or will limit the fire prevention proposed activity?

☐ If checked, describe existing plan(s) and the limitations, if any, in the attached Scope of Work.

10. Timber Harvest Plans:

For fuel reduction projects, is there a timber harvesting document on any portion of the proposed project area for which a "Notice of Completion" has not been filed with CAL FIRE?

☐ If checked, provide the THP identification number and describe the relationship to the project in the attached Scope of Work document.

THP ID Number:

11. Communities at Risk: Is the project associated with a community that is listed as a Community At Risk?

See http://osfm.fire.ca.gov/fireplan/fireplanning_communities_at_risk.php

☒ Yes ☐ No

If yes, what is the name of the community(ies)? If none, enter "none".

Twain Harte, Tuolumne City, Tuttletown

Number of Community(ies) at Risk: 3

12. Disadvantaged/Low Income Community(ies): Does the project contain a Disadvantaged and/or Low Income Community?

See <https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/communityinvestments.htm>

☒ Yes ☐ No

If yes, select all that applies:

☐ Disadvantaged

☒ Low Income

☐ Both

☐ Buffer Zone

13. Describe how your proposal would reduce the total amount of wildfire (and thereby reduce wildfire emissions) around communities, homes, infrastructure, and other highly valued resources. Please focus on GHG benefits. (limited to space provided):

This project will create shaded fuel breaks along 140 miles of County roadway AND create PRC 4291-qualified defensible space clearing on private property. GHG benefits: Slash and woody material will be used for biomass electrical generation.

14. Project Budget:

What is the proposed budget? Please include a discussion of the project budget in the Scope of Work and enter the amount from the Project Budget workbook (.xls).

Budget Item

Amount

Grant Portion of project (\$)

\$1,654,780.00

Equipment Purchases (\$)

\$0.00

Partners (\$)

\$0.00

Total Project Budget (\$)

1,654,780

15. Local Wildland Fire Risk Reduction Plans:

Is the project in, consistent with, or build on a larger plan that deals with the risk and potential impact to habitable structures in the WUI covered by this project? If so, discuss in the Scope of Work. **Select all that apply.**

☒ CAL FIRE Unit Strategic Fire Plan

☐ Homeowners' Association Plan

☒ Fire Safe Council Action Plan

☒ County Fire Department Strategic Fire Plan

☐ Local Fire Department Plan

☐ FIREWISE Community Assessment

☐ Other Local Plan (Identify in Scope of Work)

☒ Local Hazard Mitigation Plan

☒ Community Wildfire Protection Plan

Tracking #: 17-FP-TUC-0154

Project Name: Hazardous Fuel Reduction Program

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16. CEQA Compliance:

Describe how compliance with the California Environmental Quality Act (CEQA) will be achieved in the Scope of Work. Is there an existing (CEQA) document that addresses this project or can be used to meet CEQA requirements?

Please indicate the CEQA document type:

For planning, education and other projects that are exempt from CEQA, select "Not Applicable".

Document Identification Number

17. Application Submission:

NOTE TO APPLICANT: If you modify the language contained in any part of this document, other than to fill in the blanks, or to provide requested information, your application will be rejected.

Note: Replace XXXX in the file name with the project's ID Number.

Note: Replace UUU in the file name with the 3-letter identifier for the Unit where the project is located. Unit identifiers are listed in the instructions for this application form.

US Mail	Email	Attachments	File Name
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Application Form (.pdf)	<input type="text" value="17-FP-TUC-0154-Application.pdf"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scope of Work	<input type="text" value="17-FP-TUC-0154-SOW.doc"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Budget	<input type="text" value="17-FP-TUC-0154-Budget.xls"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Map (.pdf)	<input type="text" value="17-FP-TUC-0154-MAP.pdf"/>
<input type="checkbox"/>	<input type="checkbox"/>	Articles of Incorporation (.pdf)	<input type="text" value="17-FP-UUU-XXXX-AOI.pdf"/>

I certify that the above and attached information is true and correct:


Original Signature Required: Grantee's Authorized Representative

6-6-18
Date Signed

Printed Name

Title

Executed on:

Date

at

City

Please fill out this form completely. Be sure to save a copy of this form for your records. Submit one (1) electronic copy in fillable PDF format with all supporting materials to CALFIRE.Grants@fire.ca.gov. Please use "Fire Prevention Program Project Application" in the E-mail subject line and include yourself as a cc. Your CC will be proof of your submittal. In addition, submit one (1) hard copy with signatures and all supporting materials to : **California Department of Forestry and Fire Protection, Attention: Grants Management Unit - Fire Prevention Program, P.O. Box 944246, Sacramento, CA 94244-2460.** Hard copy will need to be postmarked no later than **June 6, 2018**. Electronic copy must be submitted no later than **June 6, 2018 at 3:00 pm PST**. Applications postmarked after this date and time will be considered late.

If you would like to mail the hard copy via expedited/overnight mail, please E-mail CALFIRE.Grants@fire.ca.gov for the physical mailing address.

Tracking #: 17-FP-TUC-0154

Project Name: Hazardous Fuel Reduction Program



California Department of Forestry and Fire Protection
(CAL FIRE) California Climate Investments
Fire Prevention Grants Program
Project Scope of Work



Project Name: Tuolumne County Hazardous Fuel Reduction Program

Project Tracking Number: 17-FP-TCU-0154

Project Description Summary: Please provide a paragraph summarizing proposed project including the location, habitable structures, acres treated, etc.

In an effort to make efficient use of funds and provide the greatest possible benefit to the residents of Tuolumne County, this project will be comprised of two components. The first component will involve large-scale fuel reduction and vegetation clearance on roads in Tuolumne County, and provide defensible space assistance to low-income homeowners. There are 140 miles of county-maintained roads that crisscross Wildland Urban Interface (WUI) zones in Tuolumne County, and shaded fuel breaks along these roads would provide safer ingress and egress capabilities as well as a significant strategic advantage to emergency personnel in the event of a wildfire.

Additionally, all of Tuolumne County occupies a State Responsibility Area Fire Prevention Zone, with 231,759 acres listed as "Very High" fire hazard risk. There are more than 20,000 habitable structures in these zones requiring some degree of defensible space clearing. This program would provide vouchers to help moderate to low-income residents afford Public Resources Code (PRC) 4291-qualified defensible space clearing on private property in high-risk wild land zones.

Each of these project components will effectively reduce the number of fires started, number of acres burnt and number of structures affected by wildfire. Removed vegetation will be converted for biomass and will reduce overall Greenhouse Gas emissions.

A. Scope of Work

This item is broken into project specific criteria depending on the type of project being proposed: planning, education or hazardous fuel reduction. Please **answer one section of questions** that pertain to the primary activity type for your project.

Section 1: Hazardous Fuel Reduction/Removal of Dead or Dying Tree Projects

1. Describe the geographic scope of the project, including an estimate of the number of habitable structures and the names of the general communities that will benefit.
2. Describe the goals, objectives, and expected outcomes of the project.
3. Provide a clear rationale for how the proposed project will reduce the risks associated with wildfire to habitable structures in the WUI.
4. Identify any additional assets at risk to wildfire that will benefit from the proposed project. These may include, but are not limited to, domestic and municipal water supplies, power lines, communication facilities and community centers.

5. Is the scale of the project appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above?
6. How will the project/activity utilize the left over woody biomass? Will the project/activity use a biomass facility to reduce greater greenhouse gas emissions?

Section 2: Planning Projects

1. Describe the geographic scope of the project, including the communities that will benefit, and an estimate of the number of structures within the project area.
2. Describe how the project will assess the risks to residents and structures in the WUI and prioritize projects to reduce this risk over time.
3. Does the proposed plan add or build upon previous wildfire prevention planning efforts in the general project area?
4. Identify a diverse group of key stakeholders, including local, state, and federal officials where appropriate, to collaborate with during the planning process. Discuss how the project proponent plans to engage with these targeted stakeholders.
5. Describe the pathways for community involvement that will be incorporated in the planning process.

Section 3: Education

1. Describe the specific message of the education program and how it relates to reducing the risk of wildfire to owners of structures in the WUI.
2. Describe the target audience of the education program and how information will be distributed to this audience.
3. Will the education program raise the awareness of homeowner responsibilities of living in a fire prone environment?
4. Identify specific actions being advocated in the education material that is expected to increase the preparedness of residents and structures in the WUI for wildfire.
5. Describe the expected outcome of the education in terms of increased or changed public awareness about wildfire.

Answer only 1 set of questions from above, depending on your project: Fuel Reduction, Planning or Education.

Section 1

1. Describe the geographic scope of the project, including an estimate of the number of habitable structures and the names of general communities that will benefit.

This project will encompass 24 primary county-maintained roads in or near the communities of Sonora, Twain Harte, Groveland and Columbia in Tuolumne County, as well as resources near Lake Tulloch and New Melones Reservoir. The project will clear vegetation and create fuel breaks along 140 miles of critical roadway infrastructure to reduce wildfire intensity and rate of spread, as well as provide safer ingress and egress of evacuating residents and responding emergency personnel. Specific roads are as follows: Longeway Road, Jamestown Road, Kewin Mill Road, Deer Flat Road, Ferretti Road, Merrell Road, Priest Coulterville Road, Wards Ferry Road, Twain Harte Drive, Big Hill Road, Campo Seco Road,

Italian Bar Road, Rawhide Road, Cherokee Road, Confidence Road, Long Barn Sugar Pine Road, Middle Camp Road, Middle Camp/Sugar Pine Road, Tuolumne Road, Tuolumne Road North, Soulsbyville Road, Tulloch Road, Phoenix Lake Road, Parrotts Ferry Road.

Additionally, this project will provide assistance to approximately 250 to 500 habitable structures in designated high-hazard communities of Tuolumne County to meet PRC 4291-qualified defensible space requirements.

2. Describe the Goals, objectives, and expected outcomes of the project.

The goal of this project is to remove brush, dead trees and ladder fuels along strategically significant fuel breaks along Tuolumne County-maintained roadways, AND provide assistance to moderate to low-income homeowners in need of defensible space clearing. Expected outcomes are:

- 1) Completion of 24 roadside vegetation modification projects and treatment of 140 total miles of roadway by March 15th, 2022.
- 2) Completion of defensible space clearing on property surrounding approximately 250 to 500 habitable structures by March 15th, 2022.

3. Provide a clear rationale for how the proposed project will reduce the risks associated with wildfire to habitable structures in the WUI.

1. Roadside Brushing Program: The identification of 24 county-maintained roadways that pose a health and safety risk in Wildland Urban Interface zones has been/will be completed by the following methods: The identification of high-risk/strategically important fuel breaks has been conducted in coordination with the CAL FIRE Tuolumne-Calaveras Unit Strategic Fire Plan, CAL FIRE Unit Forester and Battalion Chiefs, Tuolumne County Resources Agency, the Tuolumne County Highway 108 Fire Safe Council, and the Tuolumne Band of Mi-Wuk Indians. These roads were identified in a 2014 county fire district report as requiring mitigation efforts for fire hazard reduction.
2. Defensible Space Voucher program: This project will provide additional aid to 250 to 500 moderate to low-income homeowners in need of defensible space fire fuels clearing to be in compliance with PRC 4291 in Wildland Urban Interface zones. All Tuolumne County homeowners (approximately 27,067 habitable structures) in high fire hazard zones will be eligible to apply for a \$1,000 maximum per household voucher for defensible space clearing. Low-income households will be able to submit an application and proof of income to qualify for a \$2,500 maximum per household voucher for defensible space clearing. Defensible space clearing will include the removal of brush, overgrowth, standing dead trees and limbs, logs, slash and debris.

Homeowners who apply for assistance through the Defensible Space Voucher Program will be required to hire landscaping contractors or tree service contractors in possession of a C-27, C-61/D-49 or LTO licenses, and the County staff must approve the project before work may proceed.

4. Identify any additional assets at risk to wildfire that will benefit from the proposed project. These may include, but are not limited to, domestic and municipal water supplies, power lines, communication facilities and community centers.

The primary benefit of this project will be to protect residences, mobile home parks, rural water conveyance systems (including above ground flumes, ditches and piping through forested areas), Lake Tulloch and New Melones Reservoir. Additionally, these measures will improve safety conditions for ingress and egress of emergency personnel and for evacuation of residents during a wildfire. Improved fuel breaks and increased defensible space around homes will improve strategic options for emergency fire crews in the event of a wildfire, as occurred in Tuolumne County in 2013 with the Rim Fire.

5. Is the scale of the project appropriate to achieve the stated goals, objective sand outcomes discussed in item 2 above?

Yes, the scale of this project is appropriate to provide vegetation and ladder fuels management along CAL FIRE and County-identified roads in Very High hazard zones, and to provide assistance to homeowners for the purposes of defensible space.

6. How will the project/activity utilize the leftover woody biomass? Will the project/activity use a biomass facility to reduce greater greenhouse gas emissions?

In response to the large volume of wood generated by Tuolumne County's Tree Mortality/Hazard Tree Removal Programs, the County has opened a wood and slash sort yard that will allow logs and woody biomass to be dropped off free of charge. The wood sort yard is located in close proximity to Pacific Ultrapower, which uses the chipped woody biomass to generate electrical power. This provides the County with an environmentally conscious and cost-effective solution for disposal of woody materials.

B. Relationship to Strategic Plans

Does the proposed project support the goals and objectives of the California Strategic Fire Plan, the local CAL FIRE Unit Fire Plan, a Community Wildfire Protection Plan (CWPP), County Fire Plan, or other long term planning document?

This project is consistent with the CAL FIRE Unit Fire Plan for Tuolumne/Calaveras County. Specifically, this project addresses: 1) Defensible Space, reducing structural ignitability and PRC 4291 Community Partnerships, 2) hazard fuels reduction, 3) vegetation management, 4) reducing surface fuels, ladder fuels and creating shaded fuel breaks. Additionally, this project is consistent with the Highway 108 Fire Safe Council's Community Wildfire Prevention Plan (CWPP), and addresses many roads and residential zones the FSC has previously identified as requiring roadside brushing or defensible space.

C. Degree of Risk

1. Discuss the location of the project in relation to areas of moderate, high, or very high fire hazard severity zone as identified by the latest Fire and Resource Assessment Program maps. Fire hazard severity zone maps by county can be accessed at: http://www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps.php
2. Describe the geographic proximity of the project to structures at risk to damage from wildfire in the WUI.

1. Discuss the location of the project in relation to areas of moderate, high, or very high fire hazard severity zone as identified by the latest Fire and Resource Assessment Program maps.

This project is located in Tuolumne County, which encompasses approximately 2,274 square miles and has a population of 54,170. Approximately 100 percent of residences in Tuolumne County are located in "Moderate" to "Very High" severity FHSZ State Responsibility Area zones. The project will include 140 miles of roadway requiring vegetation management and 250 to 500 private residences requiring defensible space clearing.

2. Describe the geographic proximity of the project to structures at risk to damage from wildfire in the WUI.

This project encompasses a total of 140 miles of road and 250 to 500 habitable structures within SRA High Fire Hazard Severity Zones. The fuels reduction program is expected to treat 5,045 acres. The vegetation management, shaded fuel breaks and defensible space around these roads and structures will significantly increase the health and safety of residents, as well as protect surrounding infrastructure such as above-ground water conveyances, power lines and county facilities. Defensible space clearing will reduce the number of fires started, acres burnt and number of homes affected by wildfire.

D. Community Support

1. Does the project include any matching funds from other funding sources or any in-kind contributions that are expected to extend the impact of the proposed project?

2. Describe plans for external communications during the life of the project to keep the effected community informed about the goals, objectives and progress of the project. Activities such as planned press releases, project signage, community meetings, and field tours are encouraged.
3. Describe any plans to maintain the project after the grant period has ended.
4. Does the proposed project work with other organizations or agencies to address fire hazard reduction at the landscape level?

1. Does the project include any matching funds from other funding sources or any in-kind contributions that are expected to extend the impact of the proposed project?

This project does not include matching funds, however, in-kind contributions of staff time will be included. The Tuolumne County Resources Agency (Roads Division) will contribute time and resources for the planning and implantation of targeted roadside fire fuels reduction projects. Additionally, the County will continue to use California Disaster Assistance Act (CDAA) and SRA Tree Mortality funding to remove dead and dying trees that will impact County-maintained infrastructure and private residences.

2. Describe plans for external communications during the life of the project to keep effected community informed about the goals, objectives and progress of the project. Activities such as planned press releases, project signage, community meetings and field tours are encouraged.

Tuolumne County has had 2 years of experience holding community forums as well as providing regular updates regarding our SRA-funded Tree Mortality Project. We plan to follow this successful model in regard to public outreach for Roadside Bushing and Defensible Space Clearing programs. Projects are regularly updated at our Board of Supervisor's meetings held on the 1st and 3rd Tuesday of each month. These meetings are televised and the information is also broadcast on the local radio station and published in the local newspaper.

All information regarding these projects will be posted on the County website, which has a dedicated page for tree mortality and fire fuels reduction programs and is updated weekly. This page contains all current and planned projects, and ongoing progress. We regularly communicate with the local news media regarding projects that are expected to have higher than average impact to public systems, and we advocate strongly for motorists to use caution during county projects that involve traffic control. We will post signs at ongoing projects indicating association with the California Climate Investment and CAL FIRE Fire Prevention Program.

3. Describe any plans to maintain the project after the grant period has ended.

The County will continue to assess areas for additional roadside brushing and private defensible space initiatives after the grant funding has been expended. SRA funding will continue until March 2019 and CDAA funding will continue as long as we remain in a state of emergency.

4. Does the proposed project work with other organizations or agencies to address fire hazard reduction at the landscape level?

Yes. This project has been created with direct influence from the Tuolumne/Calaveras Unit Strategic Fire Plan, and has been established in coordination with local utility districts and Fire Safe Councils which are also submitting Fire Prevention Grant program applications.

E. Project Implementation

1. Discuss the anticipated timeline for the project. Make sure to take seasonal restrictions into account.
2. Verify the expected timeframes to complete the project will fall under the March 15, 2022 deadline.
3. Describe the milestones that will be used to measure the progress of the project.
4. Describe measurable outcomes (i.e. project deliverables) that will be used to measure the project's success.
5. If applicable, how will the requirements of the California Environmental Quality Act (CEQA) be met?

1. Discuss the anticipated timeline for the project. Make sure to take seasonal restrictions into account.

This project will begin coordination upon completion of a signed contract. As soon as funding is received by the County, coordination will begin with the project supervisor (RPF) to begin surveying designated roadways and issuing Request for Proposal information to qualified contractors. Projects will be underway year-round (safe weather conditions permitting), and will continue until completed to fulfill the March 15th, 2022 funding expenditure deadline.

2. Verify the expected timeframes to complete the project will fall under the March 15, 2022 deadline.

The County will expend all funds for roadside fire fuels reduction and residential defensible space clearing before the March 15th, 2022 deadline.

3. Describe milestones that will be used to measure the progress of the project.

Project milestones will be measured by 1.) The number of individual roadside fire fuels reduction projects completed. 2.) The number of miles of successfully treated roadway. 3.) The number of vouchers issued to homeowners for the purposes of defensible space clearing.

4. Describe measureable outcomes (i.e. project deliverables) that will be used to measure the project's success.

Measurable project deliverables will be measured by the total number of miles treated for vegetation management and ladder fuels reduction AND the amount of defensible space cleared by acreage.

5. If applicable, how will the requirements of the California Environmental Quality Act (CEQA) be met?

This project meets the CEQA exemption by meeting the following 4 criteria:

1. The project is located within a high hazard zone as designated pursuant to Directive 1.
2. The project is necessary to protect public health and safety from wildfire risk due to poor roadside vegetation management, ladder fuels and lack of residential defensible space.
3. The project involves the removal of roadside vegetation and the creation of shaded fuel breaks along significant roads, AND vouchers offered to homeowners for defensible space clearing around occupied structures.
4. Work will be conducted in accordance with the most current draft guidelines for brush removal in High Hazard Zones and working with Tuolumne/Calaveras CAL FIRE Unit to ensure that all codes are followed while creating and executing projects.

F. Administration

1. Describe any previous experience the project proponent has with similar projects. Include a list of recent past projects the proponent has successfully completed if applicable. Project proponents having no previous experience with similar projects should discuss any past experiences that may help show a capacity to successfully complete the project being proposed. This may include partnering with a more experienced organization that can provide project support.
2. Identify who will be responsible for tracking project expenses and maintaining project records in a manner that allows for a full audit trail of any awarded grant funds.

1. Describe any previous experience the project proponent has with similar projects. Include a list of recent past projects the proponent has successfully completed if applicable. Project proponents having no previous experience with similar projects should discuss any past experiences that may help show a capacity to successfully complete the project being proposed. This may include partnering with a more experienced organization that can provide project support.

The County of Tuolumne has successfully removed more than 5,600 trees in high hazard zones using a variety of funding streams including CDAA, U.S. Forest Service, and CAL FIRE SRA. To date, the County has completed 37 projects

(including tree removal, slash cleanup and conversion of logs for biomass), and has 6 projects ongoing at this time. The county is coordinating with PG&E and CalTrans to avoid duplication of efforts and to remove as many hazard trees in the shortest time frame possible.

The county has been pro-active in addressing threats to public safety. Starting with the Rim Fire in 2013, Tuolumne County has dealt with a total of 5 proclaimed and declared emergencies related to fire, drought and storm damage.

2. Identify who will be responsible for tracking project expenses and maintaining project records in a manner that allows for a full audit trail of any awarded grant funds.

Project expenses will be tracked by the Tuolumne County Office of Emergency Services with assistance from the County Auditor/Controller's Office.

G. Budget

A detailed project budget should be provided in an Excel spreadsheet attached to this grant application. The space provided here is to allow for a narrative description to further explain the proposed budget.

1. Explain how the grant funds, if awarded, will be spent to support the goals and objectives of the project. If equipment grant funds are requested, explain how the equipment will be utilized and maintained beyond the life of the grant.
2. Are the costs for each proposed activity reasonable for the geographic area where they are to be performed? Identify any costs that are higher than usual and explain any special circumstances within the project that makes these increased costs necessary to achieve the goals and objectives of the project.
3. Is the total project cost appropriate for the size, scope, and anticipated benefit of the project?
4. Identify all Indirect Costs and describe why they are necessary for a successful project implementation. Administrative expenses to be paid by the Fire Prevention Grants must be less than 12% of the total grant request (excluding equipment).
5. Explain each object category in detail and how that would support meeting the grant objectives.

1. Explain how the grant funds, if awarded, will be spent to support the goals and objectives of the project. If equipment grant funds are requested, explain how the equipment will be utilized and maintained beyond the life of the grant.
If awarded, Tuolumne County will use \$1,654,780 of California Climate Investment Fire Prevention funds for a project with the following two components:

- 1) The project will allocate approximately \$1,027,390 for the purpose of vegetation management along 24 County-maintained roads located in High to Very High SRA hazard zones.
- 2) \$627,390 for a voucher program aimed at moderate to low-income residents for the purposes of defensible space clearance around occupied structures in accordance with PRC 4291.

The majority of operations will be conducted utilizing a Registered Professional Forester and licensed and insured contractors for brush removal. Contractors will be required to submit a Request for Qualifications before being eligible to submit a Request for Proposal. County staff will direct project development and ensure project timelines are met. Additional costs are allocated for outreach and education, including: Workshops, press releases, postage and signage.

Tuolumne County will use additional funds for day to day operations of the County wood sort yard for the purposes of converting woody vegetation to biomass for Greenhouse Gas emission reduction.

2. Are the costs for each proposed activity reasonable to for the geographic area where they are to be performed? Identify any costs that are higher than usual and explain any special circumstances within the project that makes these increased costs necessary to achieve the goals and objectives of the project.

The costs are reasonable for roadside vegetation management and defensible space creation near occupied structures. Using projections based on previous County roadside brushing work (including cutting brush, removing or chipping slash and debris, felling dead trees and hauling logs) we expect to create shaded fuel breaks along 140 miles of county maintained roads at approximately \$6,400 per treated mile. Costs for defensible space clearing will vary depending on the size and density of brush removal required on private property, but will be limited to \$1,000 per property and \$2,500 per property with proof of low-income status.

3. Is the total project cost appropriate for the size, scope and anticipated benefit of the project?

Yes. Based on the treatable miles of roadway in need of vegetation management and the number of acres on private property requiring defensible space clearing identified using the Cal-Mapper program, the cost is appropriate for the size and scope of the project.

4. Identify all Indirect Costs and describe why they are necessary for a successful project implementation. Administrative expenses to be paid by the Fire Prevention Grants must be less than 12% of the total grant request (excluding equipment).

Indirect costs will include activities that are not directly related to the project development of the proposal, yet are still vital to the success of the project. Such activities will include salaries and benefits for oversight from the Auditor's Office (audits, invoicing, and general accounting), County Council (legal advice, contract review), and County Administrative Office (Project Oversight and Communication with the Board of Supervisors). Additional salaries and benefits for the operations conducted by the GIS department, as well as use of GIS and IT software will be considered as indirect costs for the purpose of this project as it has under past Tree Mortality Grants.

5. Explain each object category in detail and how that would support meeting the grant objectives.

Salaries and Wages: Three Administrative Analysts that are currently temporary hires under the County Tree Mortality Program will develop and provide day-to-day oversight of the proposed projects. One Office Assistant currently provides assistance with data entry, filing, reimbursement organization and management of public inquiries. These costs are the hourly wage of the employees and are consistent with the County MOU's.

Employee Benefits: Same as above. This section will address the fringe benefits received by the above-mentioned analysts.

Contractual: RPF – Will provide project oversight and ensure CEQA requirements are met for the proposed project. The RPF will interact with brushing contractors and assists County analysts with field knowledge of the project areas.

Hazardous Fuel Reduction: This is the contractual cost for the licensed and insured contractor that will be conducting debris removal operations along 140 miles of County right-of-way.

Defensible Space Clearing: This is the contractual cost for contractors that will conduct the defensible space cleanup around occupied structures.

Wood Sort Yard: This line item is intended to reimburse the County for use of the County Wood Sort yard (currently used for tree mortality operations) for the storage and transfer of woody debris to the biomass facility

Supplies: Outreach and Education: This will include the costs for workshops, press releases, and signage at project sites to educate the public on the projects and how these projects are funded

Documents and Postage: This will include the costs for printouts and postage to notify residents of program as well as Right of Entry documents if necessary

Indirect Cost: While 12% is authorized under this grant, Tuolumne County feels that 10% will cover the indirect costs of the program.

H. California Climate Investments

The space provided here is to allow for a narrative description to further explain how the project/activity will reduce Greenhouse Gas emissions.

1. How will the project/activity reduce Greenhouse Gas emissions?
2. Is the project located in a Low-Income or Disadvantaged Community? If not, does the project benefit those communities. Please explain.
3. What are the expected co-benefits of the project/activity (i.e. environmental, public health and safety, and climate resiliency)?
4. When are the Greenhouse Gas emissions and/or co-benefits expected to occur and how will they be maintained?

1. How will the project/activity reduce Greenhouse Gas emissions?

This project will reduce Greenhouse Gas emissions by removing thousands of cubic yards of brush and woody material from roadsides and around homes, and converting it into biomass for use in a local biomass electrical energy plant. Additionally, this project will improve overall wildfire mitigation efforts, and reducing the size and likelihood of future fires and their associated Greenhouse Gas emissions.

2. Is the project located in a Low-Income or Disadvantaged Community? If not, does the project benefit those communities? Please explain.

Several communities in Tuolumne County (including Sonora, Columbia, Jamestown, Mono Village, Groveland and Soulsbyville) are located in low-income communities as defined by Assembly Bill 1550, and according to the 2010 Census, most of our communities are socio-economically disadvantaged. This project will provide benefits to these communities by removing roadside fire fuels and providing vouchers for residents to obtain assistance with defensible space clearing around occupied structures.

3. What are the expected co-benefits of the project/activity (i.e. environmental, public health and safety, and climate resiliency)?

In addition to overall fire fuels reduction and lower Greenhouse Gas emissions, this project will provide benefits to public health by providing safe ingress and egress on County-maintained roads for evacuations or emergency personnel. The project will increase overall traffic safety by removing obstacles and visibility obstructions created by overgrown roadside brush. This project will also serve as a high-profile demonstration of the California Climate Investment program, and will improve public awareness of defensible space requirements.

4. When are the Greenhouse Gas emissions and/or co-benefits expected to occur and how will they be maintained?

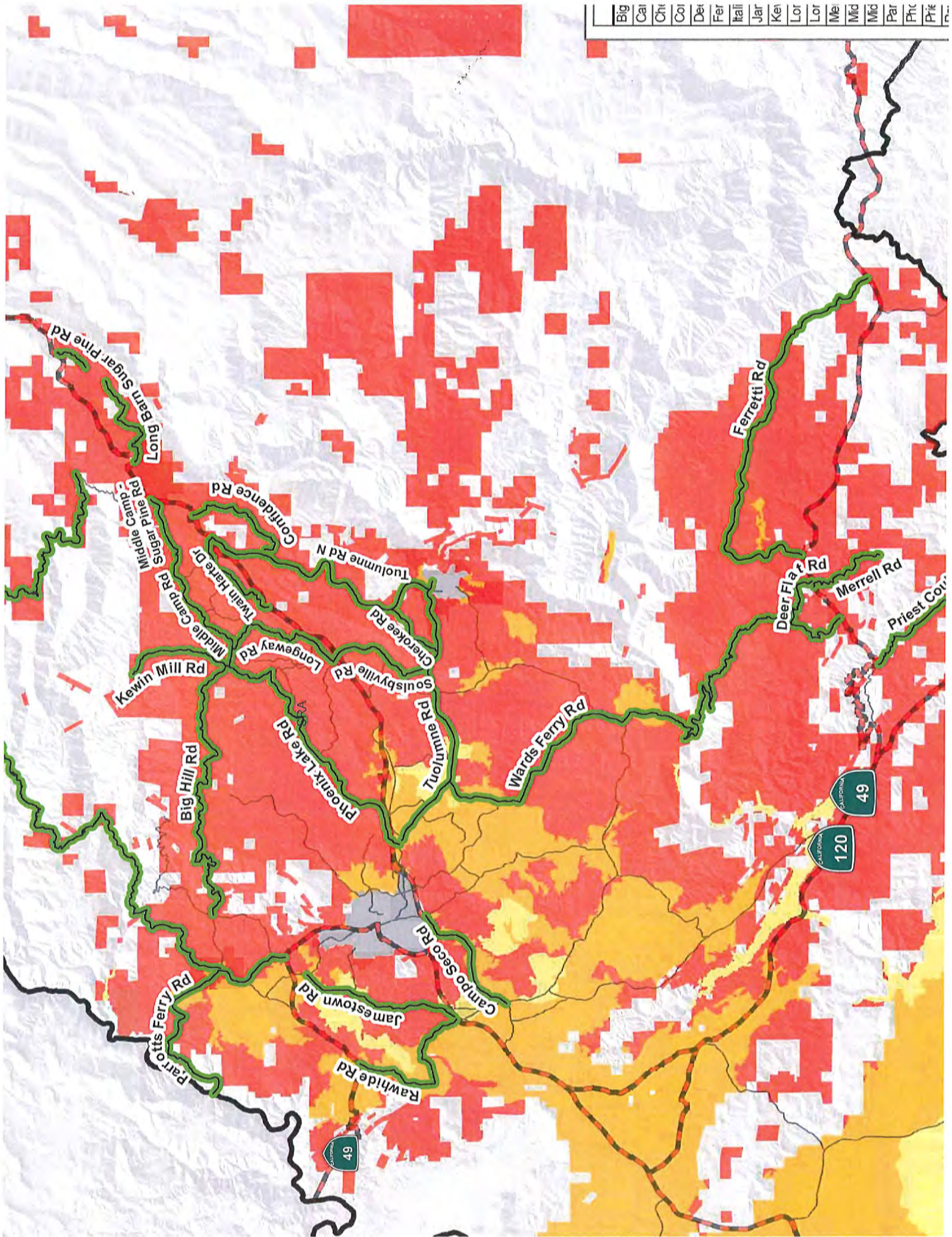
The Greenhouse Gas emission benefits of this project are expected to begin immediately upon roadside vegetation being removed and processed for biomass. This will occur as soon as projects are awarded and begin to be executed (following final grant agreement September 28, 2018).

Project Budget

Project Name:

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
A. Salaries and Wages											
	Administrative Analyst I	1200	Hours	\$ 30	100%	0%	0%	\$ 36,000	\$ -	\$ -	\$ 36,000
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Administrative Analyst II	200	Hours	\$ 32	100%	0%	0%	\$ 6,400	\$ -	\$ -	\$ 6,400
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Office Assistant	500	Hours	\$ 15	100%	0%	0%	\$ 7,500	\$ -	\$ -	\$ 7,500
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Office of Emergency Services County of Tuolumne

Karl Rodefer, Director
Tracie Riggs, Assistant Director
Liz Peterson, Coordinator

Tuolumne County Administration Center
2 South Green Street
Sonora, CA 95370
Phone (209) 533-5511
Fax (209) 533-5510

October 14, 2019

Roger Peterson, Resource Management
California Department of Forestry and Fire
785 Mountain Ranch Road
San Andreas, CA 95249

RE: Tuolumne County Fire Prevention Grant Modification (5GG17216)

Dear Mr. Peterson,

Thank you for your assistance in working with the CCI grant program. Tuolumne County has completed hazardous fuel reduction work alongside two roads listed in our original grant application with another road nearing completion. This has led to safer ingress and egress capabilities, as well as created a significant advantage to emergency personnel in the event of a wildfire.

After performing hazardous fuel reduction work on over 10% of the road miles we plan to treat, we have established a baseline cost that is much lower than originally anticipated. Our proposed modification includes reallocating some of these funds to allow us to provide more robust defensible space assistance to more homeowners while still reducing hazardous fuels along more road miles than originally planned. The funds will stay within the "Contractual" budget category.

To implement a more robust defensible space program, we are proposing to remove the "voucher system" planned in the original grant application. We would like to complete all the recommended defensible space needs for each property that we treat. The County has previously attempted to provide similar kinds of aid based on income using vouchers, and quickly needed to pivot to a different model. We found there was very limited interest from homeowners in partially funding the work on their properties. From an administrative perspective, we also had trouble verifying income.

We plan to provide this service with a focus on seniors and residents with Access and Functional Needs, while promoting the benefits of performing defensible space clearing to all properties within each selected community. We hope that by providing this service to homeowners who are unable to do the work themselves, it will inspire neighbors to work on their own properties. This will create entire safer, more defensible communities. We also may target specific properties with a high need for defensible space clearing, regardless of the physical ability of the owner.

We hope to have Seniors and Residents with Access and Functional Needs self-identify by sending mailers to all properties within each selected community. The mailers will have general educational material about defensible space for all residents and will specify a Grant Opportunity for the targeted demographics. They will then have everything they need to sign up including a return envelope and a right of entry form. We also plan to rely on our local partner agencies to encourage the homeowners to sign up including Area 12 Agency on Aging, Firesafe Council, and potentially our local senior center and the Disability Resource Agency for Independent Living (DRAIL).

As mentioned above, we are currently experiencing the wonderful problem of very low costs to treat roadside brush. Our original estimate of \$5,750 has been completed at a rate of ~\$1,000 per mile. As this may be somewhat irregular and there was a small variance between projects, we are proposing a budget of \$1,500 per mile. Originally, with our higher anticipated cost, we selected the highest priority County Maintained roads for our project. With this modification, we are also hoping to be able to expand the roadside brushing program to include all county-maintained roads within the county, with the future roads to be identified as needed.

To summarize the above, we would like to propose the following changes:

- Move \$500,000 from Hazardous Fuel Reduction to Defensible Space Clearing, staying within the Contractual budget line
- Increase the number of road miles treated with hazardous fuel reduction by 73+, allowing treatment on all County Maintained Roads to be selected as needed.
- Provide defensible space assistance to an additional 200+ properties
- Replace the current voucher system with complete defensible space clearing for seniors, residents with Access and Functional Needs, and those properties with highly significant defensible space needs

An overview of the new proposal is included in the attached Project Budget
Thank you again for your assistance. Please feel free to contact me with any questions at (209) 533-5528.

Sincerely,

Jad Kurdi
Office of Emergency Services
Administrative Analyst

Project Budget

Project Name:

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
A. Salaries and Wages											
	Administrative Analyst I	1200	Hours	\$ 30	100%	0%	0%	\$ 36,000	\$ -	\$ -	\$ 36,000
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Administrative Analyst II	200	Hours	\$ 32	100%	0%	0%	\$ 6,400	\$ -	\$ -	\$ 6,400
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Office Assistant	500	Hours	\$ 15	100%	0%	0%	\$ 7,500	\$ -	\$ -	\$ 7,500
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Salaries and Wages:								\$ 49,900	\$ -	\$ -	\$ 49,900
B. Employee Benefits											
	Administrative Analyst I	1200	Hours	\$ 28	100%	0%	0%	\$ 33,600	\$ -	\$ -	\$ 33,600
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Administrative Analyst II	200	Hours	\$ 31	100%	0%	0%	\$ 6,200	\$ -	\$ -	\$ 6,200
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Office Assistant	500	Hours	\$ 15	100%	0%	0%	\$ 7,500	\$ -	\$ -	\$ 7,500
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Employee Benefits:								\$ 47,300	\$ -	\$ -	\$ 47,300
C. Contractual											
	RFP	720	Hours	\$ 100	100%	0%	0%	\$ 72,000	\$ -	\$ -	\$ 72,000
	Hazardous Fuel Reduction	140	Miles	\$ 5,750	100%	0%	0%	\$ 805,000	\$ -	\$ -	\$ 805,000
	Defensible Space Clearing	400	Each	\$ 1,000	100%	0%	0%	\$ 400,000	\$ -	\$ -	\$ 400,000
	Wood Sort Yard	125	Daily	\$ 1,000	100%	0%	0%	\$ 125,000	\$ -	\$ -	\$ 125,000
		0	Report	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Miles	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Contractual:								\$ 1,402,000	\$ -	\$ -	\$ 1,402,000
D. Travel & Per Diem:											
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Travel & Per Diem:								\$ -	\$ -	\$ -	\$ -
E. Supplies											
	Outreach and Education	4000	Each	\$ 1	100%	0%	0%	\$ 4,000	\$ -	\$ -	\$ 4,000
	Right of Entries/ Postage	1145	Each	\$ 1	100%	0%	0%	\$ 1,145	\$ -	\$ -	\$ 1,145
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
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		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Supplies:								\$ 5,145	\$ -	\$ -	\$ 5,145
F. Equipment											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
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Sub-Total Equipment:								\$ -	\$ -	\$ -	\$ -
G. Other Costs											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
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Sub-Total Other Costs								\$ -	\$ -	\$ -	\$ -
Total Direct Costs								\$ 1,504,345	\$ -	\$ -	\$ 1,504,345
Indirect Costs (Exclude Equipment)							10%	\$ 150,435		\$ 150,435	
Total Project Costs								\$ 1,654,780	\$ -	\$ -	\$ 1,654,780
Less Program Income								\$ -		\$ -	
Total Grant Proposed Costs								\$ 1,654,780	\$ -	\$ -	\$ 1,654,780

Project Budget

Project Name: Tuolumne County Hazardous Fuel Reduction Program

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
A. Salaries and Wages											
	Administrative Analyst I	1200	Hours	\$ 30	100%	0%	0%	\$ 36,000	\$ -	\$ -	\$ 36,000
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Administrative Analyst II	200	Hours	\$ 32	100%	0%	0%	\$ 6,400	\$ -	\$ -	\$ 6,400
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Office Assistant	500	Hours	\$ 15	100%	0%	0%	\$ 7,500	\$ -	\$ -	\$ 7,500
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Salaries and Wages:							\$ 49,900	\$ -	\$ -	\$ 49,900	
B. Employee Benefits											
	Administrative Analyst I	1200	Hours	\$ 28	100%	0%	0%	\$ 33,600	\$ -	\$ -	\$ 33,600
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Administrative Analyst II	200	Hours	\$ 31	100%	0%	0%	\$ 6,200	\$ -	\$ -	\$ 6,200
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
	Office Assistant	500	Hours	\$ 15	100%	0%	0%	\$ 7,500	\$ -	\$ -	\$ 7,500
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Employee Benefits:							\$ 47,300	\$ -	\$ -	\$ 47,300	
C. Contractual											
	RPF	720	Hours	\$ 100	100%	0%	0%	\$ 72,000	\$ -	\$ -	\$ 72,000
	Hazardous Fuel Reduction	203	Miles	\$ 1,500	100%	0%	0%	\$ 305,000	\$ -	\$ -	\$ 305,000
	Defensible Space Clearing	600	Each	\$ 1,500	100%	0%	0%	\$ 900,000	\$ -	\$ -	\$ 900,000
	Wood Sort Yard	125	Daily	\$ 1,000	100%	0%	0%	\$ 125,000	\$ -	\$ -	\$ 125,000
		0	Report	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Acres	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Miles	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Contractual:							\$ 1,402,000	\$ -	\$ -	\$ 1,402,000	
D. Travel & Per Diem:											
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Travel & Per Diem:							\$ -	\$ -	\$ -	\$ -	
E. Supplies											
	Outreach and Education	4000	Each	\$ 1	100%	0%	0%	\$ 4,000	\$ -	\$ -	\$ 4,000
	Right of Entries/ Postage	1145	Each	\$ 1	100%	0%	0%	\$ 1,145	\$ -	\$ -	\$ 1,145
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Supplies:							\$ 5,145	\$ -	\$ -	\$ 5,145	
F. Equipment											
		0	Each	\$ -	100%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Equipment:							\$ -	\$ -	\$ -	\$ -	
G. Other Costs											
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Other Costs							\$ -	\$ -	\$ -	\$ -	
Total Direct Costs							\$ 1,504,345	\$ -	\$ -	\$ 1,504,345	
Indirect Costs (Exclude Equipment)							10.0%	\$ 150,435		\$ 150,435	
Total Project Costs							\$ 1,654,780	\$ -	\$ -	\$ 1,654,780	
Less Program Income							\$ -			\$ -	
Total Grant Proposed Costs							\$ 1,654,780	\$ -	\$ -	\$ 1,654,780	

Road Name *	Miles
Big Hill Rd	8.8
Campo Seco Rd	3.2
Cherokee Rd	1.7
Confidence Rd	2.9
Deer Flat Rd	1.5
Ferretti Rd	10.4
Italian Bar Rd	25.6
Jamestown Rd	3.9
Kew in Mill Rd	2.6
Long Barn Sugar Pine Rd	3.7
Longeway Rd	3.7
Merrell Rd	2.3
Middle Camp Rd	2.7
Middle Camp Sugar Pine Rd	2
Parrotts Ferry Rd	6.7
Phoenix Lake Rd	7.1
Priest Coulterville Rd	5.5
Rawhide Rd	4
Soulsbyville Rd	2.8
Tulloch Rd	5.3
Tuolumne Rd	6.9
Tuolumne Rd N	6.7
Twain Harte Dr	2.6
Wards Ferry Rd	16.2